

SERVICE PROCEDURE

13518
JANUARY 2014

SUBJECT: VOLUNTARY EMISSIONS RECALL

Navistar has decided that a defect which relates to engine emissions exists in certain DuraStar® and RXT® model trucks, 3200, BE S, CE C, CE S, and HC C model Buses, and WorkHorse® models built 07 February 2007 through 31 August 2010 with certain 2007, 2008, and 2009 model year MaxxForce® 7 engines.

DEFECT DESCRIPTION

This Emissions Recall applies to certain bus and truck models (listed below) that were built with MaxxForce® 7 engines between 7 February 2007 through 31 August 2010. This campaign will require recalibration of the engine ECM, cleaning of the diesel oxidation catalyst (DOC), inspection for plugged exhaust back pressure (EBP) tube, and resetting the oil level. This will reduce excessive fuel dilution and DOC face-plugging issues.

MODELS INVOLVED

This Emissions Recall includes certain vehicles listed below:

- DuraStar® and RXT® trucks built 07 February 2007 through 19 July 2010
- 3200, BE C Bus, BE S Bus, CE C Bus, and HC C Bus built 24 March 2007 through 31 August 2010
- WorkHorse® trucks built 22 December 2008 through 25 August 2010

PARTS INFORMATION

Part Number	Part Description	Quantity
2593986C1	DPF Gasket (as needed)	1

SERVICE PROCEDURE

WARNING! PARK VEHICLE ON HARD FLAT SURFACE, TURN THE ENGINE OFF, SET THE PARKING BRAKE AND INSTALL WHEEL CHOCKS TO PREVENT THE VEHICLE FROM MOVING IN BOTH DIRECTIONS. FAILURE TO DO SO MAY RESULT IN PROPERTY DAMAGE, PERSONAL INJURY AND / OR DEATH.

WARNING! IF THE VEHICLE MUST BE RAISED, DO NOT WORK UNDER THE VEHICLE SUPPORTED ONLY BY JACKS. JACKS CAN SLIP OR FALL OVER, POTENTIALLY RESULTING IN PROPERTY DAMAGE, PERSONAL INJURY AND / OR DEATH.

WARNING! ALWAYS WEAR SAFE EYE PROTECTION WHEN PERFORMING VEHICLE MAINTENANCE. FAILURE TO DO SO MAY RESULT IN PERSONAL INJURY AND / OR DEATH.

WARNING! ALLOW COMPONENTS IN ENGINE COMPARTMENT TO COOL BEFORE SERVICING ENGINE OR VEHICLE. FAILURE TO DO SO MAY RESULT IN PROPERTY DAMAGE, PERSONAL INJURY AND / OR DEATH.

WARNING! KEEP FLAMES OR SPARKS AWAY FROM VEHICLE AND DO NOT SMOKE WHILE SERVICING THE VEHICLE'S BATTERIES. BATTERIES EXPEL EXPLOSIVE GASES. FAILURE TO DO SO MAY RESULT IN PROPERTY DAMAGE, PERSONAL INJURY, AND / OR DEATH.

WARNING! REMOVE THE GROUND CABLE FROM THE NEGATIVE TERMINAL OF THE BATTERY BOX BEFORE DISCONNECTING ANY ELECTRICAL COMPONENTS. ALWAYS CONNECT THE GROUND CABLE LAST. FAILURE TO DO SO MAY RESULT IN PROPERTY DAMAGE, PERSONAL INJURY, AND / OR DEATH.

ECM RECALIBRATION

NOTE: If AutoUpgrade or PocketMaxx™ functionality is not available, use NETS.

1. Verify ECM has latest software by referring to vehicle calibration scorecard on International® Service Portal™ system.
 - a. If calibration scorecard indicates that calibration is not current, engine must be reprogrammed.
 - ECM programming method for 2007 MaxxForce® 7 engines is to use NETS or AutoUpgrade. For instructions, see IK2600010 - NETS Programming and Troubleshooting Guide. Use Update to Latest Calibration programming option or IK2600082 - Auto Upgrade Programming Instructions. For PocketMaxx™: IK3300001 - Updating Engine Calibrations with PocketMaxx™.
 - These articles provide general information about each reprogramming method and software, with links to specific instructions for each.
2. If assistance is required, contact Vehicle Programming by creating an iKNow case file, or by calling 1-800-336-4500 and selecting options 3, 1, and 1.

ECM BACK PRESSURE (EBP) TUBE INSPECTION

1. Bring vehicle into shop and park on flat surface.
2. Shift transmission to park or neutral and set parking brakes.
3. Install wheel chocks.
4. Open hood.
5. Remove inner fender.
6. Remove air cleaner harness.
7. Disconnect EBP sensor harness connector.
8. Remove EBP sensor.
9. Make sure all tools and parts are secured so they will not fall.
10. Start engine and check for exhaust discharge from EBP tube.
 - a. If no exhaust is observed from EBP tube, a case file must be created for the proper repair procedure.

- b. If exhaust is observed from EBP tube, follow the remaining steps of this procedure.

11. Stop engine.

12. Install EBP sensor.

13. Using torque wrench, tighten EBP sensor to 15 lb-ft (20 N•m).

14. Connect EBP sensor harness connector.

15. Install air cleaner bracket and air cleaner.

16. Install air cleaner sensor harness.

17. Install inner fender.

SET ENGINE OIL LEVEL

1. Check engine oil.

- a. If oil level is above MAX or FULL mark on dipstick, drain oil from engine until oil is at MAX or FULL mark.

2. Close hood.

DIESEL OXIDATION CATALYST (DOC) CLEANING

1. DOC cleaning is required after calibration is complete. Refer to IK1200478 - On-Vehicle DOC Cleaning MaxxForce® 7 Engines.
2. Remove wheel chocks.

Vehicle Emission Recall - Proof of Correction					
License Number	Make	Year Model	Body Type	Vehicle Identification Number <div style="border: 1px solid black; height: 20px; width: 100%; display: flex; justify-content: space-between;"> <div style="width: 20%;"></div> <div style="width: 20%;"></div> <div style="width: 20%;"></div> <div style="width: 20%;"></div> <div style="width: 20%;"></div> </div>	
Manufacturer _____			Recall Number _____		
<p>The above described vehicle has been repaired, modified and/or equipped with new emission control devices to meet applicable California Emission Control Laws.</p>					
Dealer's _____		Address, City, State _____			
		Dealership's Authorized			
		X			
Return this certificate to DMV <u>only</u> when required - otherwise retain for your records.					

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Figure 1. DMV Certificate, Salmon (Print on 8.5 x 11 inch White Paper).

Vehicle Emission Recall - Proof of Correction					
License Number	Make	Year Model	Body Type	Vehicle Identification Number <div style="border: 1px solid black; height: 20px; width: 100%; display: flex; justify-content: space-between;"> <div style="width: 20%;"></div> <div style="width: 20%;"></div> <div style="width: 20%;"></div> <div style="width: 20%;"></div> <div style="width: 20%;"></div> </div>	
Manufacturer _____			Recall Number _____		
<p>The above described vehicle has been repaired, modified and/or equipped with new emission control devices to meet applicable California Emission Control Laws.</p>					
Dealer's _____		Address, City, State _____			
		Dealership's Authorized			
		X			
Return this certificate to DMV <u>only</u> when required - otherwise retain for your records.					

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Figure 2. DMV Certificate, White (Print on 8.5 x 11 inch Salmon Paper).

END OF SERVICE PROCEDURE

LABOR INFORMATION

Operation Number	Description	Time
A40-13518-1	Inspect EBP Tube, Clean DOC, Recalibrate ECM, Adjust Oil Level	1.5 hrs

CAMPAIGN IDENTIFICATION LABEL

Each vehicle corrected in accordance with this campaign must be marked with a CTS-1075 Campaign Identification Label.

Complete the label and attach on a clean surface next to the vehicle identification number (VIN) plate.

DO NOT REMOVE
INTERNATIONAL
Campaign No.
VIN
Eng.#
COMPLETED
Service Location Code #
DO NOT REMOVE

ADMINISTRATIVE / DEALER RESPONSIBILITIES

WARRANTY CLAIMS

Warranty claim expense is to be charged to Warranty. Claims are to be submitted in the normal manner, making reference to Emissions Recall 13518.

It is important that the coding be completed properly to assist in processing the warranty claim. Complete instructions will be found in the Warranty Policy Manual, Section 7.1.8.

As with all claim submissions, items acquired locally must be submitted in the "Other Charges" tab. The cost of any bulk items (such as a bag of cable tie straps, roll of wire, a barrel of oil, or a tube of silicone) should be prorated for the cost of the individual pieces / amount used during each repair.

GROUP	NOUN	C	WARR.	TP	PAD

GROUP — Enter number ←

NOUN — Leave blank ←

C (CAUSE) — Enter either 1, 2, 3. (See below)

- 1. Inspected (No repair required).
- 2. Inspected and repaired.
- 3. Defective part from parts stock.

WARRANTY — (Warranty Code) Enter 40. ←

TYPE PART — Enter P for type part causing failure. ←

PAD — Enter 100 ←

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EMISSIONS RECALL 13518

UNITED STATES AND POSSESSIONS

Dealers must correct all vehicles subject to this campaign at no charge to the owner, regardless of mileage, age of vehicle, or ownership, from this time forward.

Dealers should proceed immediately to make necessary correction to units in inventory. All inventory vehicles subject to this recall campaign must be corrected prior to sale, transfer or delivery. If vehicles have been sold or transferred and you are in receipt of Customer Notification Letters and Authorization for Recall Service cards for those vehicles, the transfer location or customer must be notified immediately from your dealer location.

Dealers must make every effort to promptly schedule an appointment with each owner to repair his or her vehicle as soon as possible. However, consistent with the customer notification, dealers are expected to complete the repairs on the mutually agreed upon service date.

Dealers involved in the recall process will be furnished a listing of owner names and addresses to enable them to follow up with owners and have the vehicles corrected. Use of this listing must be limited to this campaign because the list may contain information obtained from state motor vehicle registration records, and the use of such motor vehicle registration data for purposes other than this campaign is a violation of law in several states.

CANADA

Dealers must correct all vehicles subject to this campaign at no charge to the owner, regardless of mileage, age of vehicle, or ownership, from this time forward.

Dealers should proceed immediately to make necessary correction to units in inventory. All inventory vehicles subject to this recall campaign must be corrected prior to sale, transfer or delivery. If vehicles have been sold or transferred and you are in receipt of Customer Notification Letters and Authorization for Recall Service cards for those vehicles, the transfer location or customer must be notified immediately from your dealer location.

Dealers must make every effort to promptly schedule an appointment with each owner to repair his or her vehicle as soon as possible. However, consistent with the customer notification, dealers are expected to complete the repairs on the mutually agreed upon service date.

Dealers involved in the recall process will be furnished a listing of owner names and addresses to enable them to follow up with owners and have the vehicles corrected. Use of this listing must be limited to this campaign because the list

may contain information obtained from state motor vehicle registration records, and the use of such motor vehicle registration data for purposes other than this campaign is a violation of law in several states.

EXPORT

Export Distributors should proceed immediately to make necessary correction to units in inventory. All inventory vehicles subject to this recall campaign must be corrected prior to sale, transfer or delivery. If vehicles have been sold or transferred and you are in receipt of Customer Notification Letters and Authorization for Recall Service cards for those vehicles, the transfer location or customer must be notified immediately from your distributor location.

Export Distributors are to submit warranty claims in the usual manner making reference to this recall number.

Export Distributors are expected to provide full cooperation and follow-up with respect to this important subject matter. If you have any questions or need further assistance, please contact the Regional Service Manager at your regional office.

NAVISTAR, INC.